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Sequence Listing was accepted.

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217-9197 (toll free).

Reviewer: Anne Corrigan

Timestamp: Tue Nov 06 17:21:58 EST 2007

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Application No: 10049967

Version No: 6.0

Input Set:**Output Set:****Started:** 2007-10-23 12:16:20.555**Finished:** 2007-10-23 12:16:21.954**Elapsed:** 0 hr(s) 0 min(s) 1 sec(s) 399 ms**Total Warnings:** 32**Total Errors:** 0**No. of SeqIDs Defined:** 46**Actual SeqID Count:** 46

Error code	Error Description
W 213	Artificial or Unknown found in <213> in SEQ ID (1)
W 213	Artificial or Unknown found in <213> in SEQ ID (2)
W 213	Artificial or Unknown found in <213> in SEQ ID (3)
W 213	Artificial or Unknown found in <213> in SEQ ID (4)
W 213	Artificial or Unknown found in <213> in SEQ ID (5)
W 213	Artificial or Unknown found in <213> in SEQ ID (6)
W 213	Artificial or Unknown found in <213> in SEQ ID (7)
W 213	Artificial or Unknown found in <213> in SEQ ID (8)
W 213	Artificial or Unknown found in <213> in SEQ ID (9)
W 213	Artificial or Unknown found in <213> in SEQ ID (10)
W 213	Artificial or Unknown found in <213> in SEQ ID (11)
W 213	Artificial or Unknown found in <213> in SEQ ID (12)
W 213	Artificial or Unknown found in <213> in SEQ ID (13)
W 213	Artificial or Unknown found in <213> in SEQ ID (14)
W 213	Artificial or Unknown found in <213> in SEQ ID (15)
W 213	Artificial or Unknown found in <213> in SEQ ID (16)
W 213	Artificial or Unknown found in <213> in SEQ ID (17)
W 213	Artificial or Unknown found in <213> in SEQ ID (18)
W 213	Artificial or Unknown found in <213> in SEQ ID (19)
W 213	Artificial or Unknown found in <213> in SEQ ID (20)

Input Set:

Output Set:

Started: 2007-10-23 12:16:20.555
Finished: 2007-10-23 12:16:21.954
Elapsed: 0 hr(s) 0 min(s) 1 sec(s) 399 ms
Total Warnings: 32
Total Errors: 0
No. of SeqIDs Defined: 46
Actual SeqID Count: 46

Error code

Error Description

This error has occurred more than 20 times, will not be displayed

SEQUENCE LISTING

<110> Dolly, James Oliver
 O'Sullivan, Gregory A.
 Mohammed, Nadiem
 Foran, Patrick G.

<120> Isoforms of SNARE Molecules and the Uses
 Thereof in Modulation of Cellular Exocytosis Methods of
 Treatment

<130> 17790 (BOT)

<140> 10049967

<141> 2004-02-23

<160> 46

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<210> 1

<211> 25

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<220>

<223> PCR Primer

<400> 1

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<210> 2

<211> 30

<212> DNA

<213> Artificial Sequence

<220>

<223> PCR Primer

<400> 2

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<210> 3

<211> 29

<212> DNA

<213> Artificial Sequence

<220>

<223> PCR Primer

<400> 3

catctttgtt gcagctgcgt tggcttcat 29

<210> 4

<211> 30

<212> DNA
 <213> Artificial Sequence

 <220>
 <223> PCR Primer

 <400> 4
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 <210> 5
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 <213> Artificial Sequence

 <220>
 <223> PCR Primer

 <400> 5
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 <210> 6
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 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> PCR Primer

 <400> 6
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 <213> Artificial Sequence

 <220>
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 <210> 8
 <211> 27
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> PCR Primer

 <400> 8
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 <210> 9
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 <212> DNA
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<220>
 <223> PCR Primer

<400> 9
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<210> 10
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 <212> DNA
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<220>
 <223> PCR Primer

<400> 10
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<220>
 <223> PCR Primer

<400> 11
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 <212> DNA
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<220>
 <223> PCR Primer

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<220>
 <223> PCR Primer

<400> 13
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 <213> Artificial Sequence

<220>

<223> PCR Primer

<400> 14
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<210> 15
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<220>
<223> PCR Primer

<400> 15
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<210> 16
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<220>
<223> PCR Primer

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<210> 17
<211> 42
<212> DNA
<213> Artificial Sequence

<220>
<223> PCR Primer

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<212> DNA
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<220>
<223> PCR Primer

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<210> 19
<211> 36
<212> DNA
<213> Artificial Sequence

<220>
<223> PCR Primer

<400> 19

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36

<210> 20

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Peptide

<400> 20

Gln Arg Ala Thr Lys Met Leu Gly Ser Gly

1 5 10

<210> 21

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Peptide

<400> 21

Gln Thr Ala Thr Lys Met Leu Gly Ser Gly

1 5 10

<210> 22

<211> 7

<212> PRT

<213> Artificial Sequence

<220>

<223> Peptide

<400> 22

Gln Arg Ala Thr Lys Met Leu

1 5

<210> 23

<211> 7

<212> PRT

<213> Artificial Sequence

<220>

<223> Peptide

<400> 23

Gln Thr Ala Thr Lys Met Leu

1 5

<210> 24

<211> 6

<212> PRT
<213> Artificial Sequence

<220>
<223> Peptide

<400> 24
Gln Arg Ala Thr Lys Met
1 5

<210> 25
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Peptide

<400> 25
Gln Thr Ala Thr Lys Met
1 5

<210> 26
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Peptide

<400> 26
Gln Arg Ala Thr Lys
1 5

<210> 27
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Peptide

<400> 27
Gln Thr Ala Thr Lys
1 5

<210> 28
<211> 4
<212> PRT
<213> Artificial Sequence

<220>
<223> Peptide

<400> 28

Gln Thr Gln Thr

1

<210> 29

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Peptide

<400> 29

Gln Arg Ala Thr Lys Ala Leu Gly Ser Gly

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10

<210> 30

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Peptide

<400> 30

Gln Thr Ala Thr Lys Ala Leu Gly Ser Gly

1

5

10

<210> 31

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Peptide

<400> 31

Gln Arg Ala Thr Lys Met Ala Gly Ser Gly

1

5

10

<210> 32

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Peptide

<400> 32

Gln Thr Ala Thr Lys Met Ala Gly Ser Gly

1

5

10

<210> 33
<211> 354
<212> DNA
<213> Homo sapiens

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ccccctggcc ctctctctaa catgaccagt aacagacgac tacagcaaac ccaggcacia 120
gtggaggagg tgggtggacat catacgtgtg aacgtggaca aggtcctgga gagggaccag 180
aagctgtcag agctggatga ccgagctgat gccttgcagg caggagcatc acaatttgag 240
agcagtgtctg caaagctaaa gaggaagtat tgggtggaaaa actgcaagat gatgatcatg 300
ctgggaacca tctgtgccat catcgtggta gttattgtaa tctacttttt tact 354

<210> 34
<211> 118
<212> PRT
<213> Homo sapiens

<400> 34
Met Ser Ala Pro Ala Gln Pro Pro Ala Glu Gly Thr Glu Gly Thr Ala
1 5 10 15
Pro Gly Gly Gly Pro Pro Gly Pro Pro Pro Asn Met Thr Ser Asn Arg
20 25 30
Arg Leu Gln Gln Thr Gln Ala Gln Val Glu Glu Val Val Asp Ile Ile
35 40 45
Arg Val Asn Val Asp Lys Val Leu Glu Arg Asp Gln Lys Leu Ser Glu
50 55 60
Leu Asp Asp Arg Ala Asp Ala Leu Gln Ala Gly Ala Ser Gln Phe Glu
65 70 75 80
Ser Ser Ala Ala Lys Leu Lys Arg Lys Tyr Trp Trp Lys Asn Cys Lys
85 90 95
Met Met Ile Met Leu Gly Thr Ile Cys Ala Ile Ile Val Val Val Ile
100 105 110
Val Ile Tyr Phe Phe Thr
115

<210> 35
<211> 498
<212> DNA
<213> Homo sapiens

<220>
<221> allele
<222> (485)...(5)
<223> n is any nucleotide

<400> 35
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gctaccgctg ccacggcccc cctgctgcc ccggtgggg aggggtggte cctgcaccc 120
cctccaaacc tcaccagtaa caggagactg cagcagaccc agggccaggt ggatgagggtg 180
gtggacatca tgagggtgaa cgtggacaag gtcttgagc gagaccagaa gctgtcggag 240
ctggacgacc gtgcagatgc actccaggcg ggggcctccc agtttgaaac aagcgcagcc 300
aagctcaagc gcaaatactg gtggaaaaac ctcaagatga tgatcatctt gggagtgtatt 360
tgcgccatca tctcatcat catcatagtt tacttcagca cttaaatccc cgaggagtct 420
gcctgccta gagaagggcc tctcccccaa ccctcagccg ttctccacc tctcagccat 480

<210> 36

<211> 384

<212> DNA

<213> Homo sapiens

<400> 36

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ccgccgtcgc cgtaactgcc tctgccaaagt ccaactgcccg ctacccccgc catgtcggct 120
accgctgcca ccgtcccgcc tgcgcgcccg gccggcgagg gtggccccc tgcacctcct 180
ccaaacctta ctagtaacag gagactgcag cagaccagc cccagggtgga tgaggtgagt 240
gtgtgtgtgt gtctgtgtct gtgtctatgt ctatgtatgt caaagatgca agatgatggg 300
ctggcaaata ggtgtgggag cccatcttgg gttgaaggta aagacagctt atgcttgtgg 360
gttttggtcg gagacctgcc tcat                                     384

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<210> 37

<211> 638

<212> DNA

<213> Homo sapiens

<400> 37

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ctctaaacgc ccgcagctgc caaaatgtct acaggtecaa ctgctgccac tggcagtaat 60
cgaagacttc agcagacaca aaatcaagta gatgaggtgg tggacataat gcgagttaac 120
gtggacaagg ttctggaaag agaccagaag ctctctgagt tagacgaccg tgcagacgca 180
ctgcaggcag gcgcttctca atttgaaacg agcgcagcca agttgaagag gaaatattgg 240
tggaagaatt gcaagatgtg ggcaatcggg attactgttc tggttatctt catcatcatc 300
atcatcgtgt gggttgtctc ttcataaga accagcggaa ctcaaaactg ctgttcaaga 360
aacctcttca agacttttga cttagaacct gctatattat caagcttacc tactgttacc 420
tctaaaattt tttttgtgtt aatgtaaagt tgaatttcta ggaaacgtgc ctttgttttt 480
taatatgcac tccaaattag aaggccggcc ccgtccacat tttgcacagt gcctttacag 540
atttacgtat gggctgatga agaggccttc ttaagttcca gagtgtctata atctagatgt 600
aatgttgtca ctaattaatt gccattactc ccctttag                                     638

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<210> 38

<211> 100

<212> PRT

<213> Homo sapiens

<400> 38

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Met Ser Thr Gly Pro Thr Ala Ala Thr Gly Ser Asn Arg Arg Leu Gln
 1             5             10             15
Gln Thr Gln Asn Gln Val Asp Glu Val Val Asp Ile Met Arg Val Asn
      20             25             30
Val Asp Lys Val Leu Glu Arg Asp Gln Lys Leu Ser Glu Leu Asp Asp
      35             40             45
Arg Ala Asp Ala Leu Gln Ala Gly Ala Ser Gln Phe Glu Thr Ser Ala
      50             55             60
Ala Lys Leu Lys Arg Lys Tyr Trp Trp Lys Asn Cys Lys Met Trp Ala
      65             70             75             80
Ile Gly Ile Thr Val Leu Val Ile Phe Ile Ile Ile Ile Val Trp
      85             90             95
Val Val Ser Ser
      100

```

<210> 39

<211> 800
<212> DNA
<213> Homo sapiens

<400> 39
ctcgaggcca cgaaggccgc caggtccggt gttggggtgt ccgagttgcc gccggagagg 60
agtggcctcg cccgcttgag ttttgattca tcatggataa tctgtcatca gaagaaattc 120
aacagagagc tcaccagatt actgatgagt ctctggaaaag tacgaggaga atcctggggt 180
tagccattga gtctcaggat gcaggaatca agaccatcac tatgctggat gaacaaaagg 240
aacaactaaa ccgcatagaa gaaggcttg accaaataaa taaggacatg agagagacag 300
agaagacttt aacagaactc aacaaatgct gtggcctttg tgtctgcca tgtaatagaa 360
caaagaactt tgagtctggc aaggcttata agacaacatg gggagatggg ggagaaaact 420
caccttgcaa tgtagtatct aaacagccag gcccggtgac aaatggtcag cttcagcaac 480
caacaacagg agcagtcagt ggtggatata ttaaaccgat aactaatgat gccagagaag 540
atgaaatgga agagaacctg actcaagtgg gcagtatcct gggaaatcta aaagacatgg 600
ccctgaacat aggcaatgag attgatgctc aaaaaccaca aataaaacga atcacagaca 660
aggctgacac caacagagat cgtattgata ttgccaatgc cagagcaaag aaactcattg 720
acagctaaag ctactgctgt tcttctttat catttattca cttccgtagc tcctccttga 780
aagttattac cttttcagag 800

<210> 40
<211> 211
<212> PRT
<213> Homo sapiens

<400> 40
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Thr Asp Glu Ser Leu Glu Ser Thr Arg Arg Ile Leu Gly Leu Ala Ile
20 25 30
Glu Ser Gln Asp Ala Gly Ile Lys Thr Ile Thr Met Leu Asp Glu Gln
35 40 45
Lys Glu Gln Leu Asn Arg Ile Glu Glu Gly Leu Asp Gln Ile Asn Lys
50 55 60
Asp Met Arg Glu Thr Glu Lys Thr Leu Thr Glu Leu Asn Lys Cys Cys
65 70 75 80
Gly Leu Cys Val Cys Pro Cys Asn Arg Thr Lys Asn Phe Glu Ser Gly
85 90 95
Lys Ala Tyr Lys Thr Thr Trp Gly Asp Gly Gly Glu Asn Ser Pro Cys
100 105 110
Asn Val Val Ser Lys Gln Pro Gly Pro Val Thr Asn Gly Gln Leu Gln
115 120 125
Gln Pro Thr Thr Gly Ala Val Ser Gly Gly Tyr Ile Lys Arg Ile Thr
130 135 140
Asn Asp Ala Arg Glu Asp Glu Met Glu Glu Asn Leu Thr Gln Val Gly
145 150 155 160
Ser Ile Leu Gly Asn Leu Lys Asp Met Ala Leu Asn Ile Gly Asn Glu
165 170 175
Ile Asp Ala Gln Asn Pro Gln Ile Lys Arg Ile Thr Asp Lys Ala Asp
180 185 190
Thr Asn Arg Asp Arg Ile Asp Ile Ala Asn Ala Arg Ala Lys Lys Leu
195 200 205
Ile Asp Ser
210

<210> 41

<211> 923
<212> DNA
<213> Homo sapiens

<400> 41
aacacaaccc tcccgagaag cccagggtcca gagccaaacc cgtcactgac cccccagccc 60
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ggaggagatg cagcgaaggg ctgaccagtt ggctgatgag tcgctggaaa gcacccgtcg 180
tatgctgcaa ctggttgaag agagtaaaga tgctggtatc aggactttgg ttatgttggg 240
tgaacaagga gaacaactcg atcgtgtcga agaaggcatg aaccatatca accaagacat 300
gaaggagggt gagaaaaatt taaaagattt agggaaatgc tgtggccttt tcatatgtcc 360
ttgtaacaag cttaaataca gtgatgctta caaaaaagcc tggggcaata atcaggatgg 420
agtgggtggc agccagcctg ctgctgtagt ggacgaacgg gagcagatgg ccatcagtgg 480
cggcttcac cgcagggtaa caaatgatgc ccgagaaaat gaaatggatg aaaacctaga 540
gcagggtgagc ggcacatcgc ggaacctccg tcacatggcc ctggatatgg gcaatgagat 600
cgatacacag aatcgccaga tcgacaggat catggagaag gctgattcca acaaaaccag 660
aattgatgag gccaaccaac gtgcaacaaa gatgctggga agtggttaag tgtgcccacc 720
cgtgttctcc tccaaatgct gtcgggcaag atagctcctt catgcttttc tcatggtatt 780
atctagtagg tctgcacaca taacacacat cagtccaccc ccattgtgaa tgttgtcctg 840
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ttccaaaggt tgtacatagt ggt 923

<210> 42
<211> 206
<212> PRT
<213> Homo sapiens

<400> 42
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1 5 10 15
Arg Ala Asp Gln Leu Ala Asp Glu Ser Leu Glu Ser Thr Arg Arg Met
20 25 30
Leu Gln Leu Val Glu Glu Ser Lys Asp Ala Gly Ile Arg Thr Leu Val
35 40 45
Met Leu Asp Glu Gln Gly Glu Gln Leu Asp Arg Val Glu Glu Gly Met
50 55 60
Asn His Ile Asn Gln Asp Met Lys Glu Ala Glu Lys Asn Leu Lys Asp
65 70 75 80
Leu Gly Lys Cys Cys Gly Leu Phe Ile Cys Pro Cys Asn Lys Leu Lys
85 90 95
Ser Ser Asp Ala Tyr Lys Lys Ala Trp Gly Asn Asn Gln Asp Gly Val
100 105 110
Val Ala Ser Gln Pro Ala Arg Val Val Asp Glu Arg Glu Gln Met Ala
115 120 125
Ile Ser Gly Gly Phe Ile Arg Arg Val Thr Asn Asp Ala Arg Glu Asn
130 135 140
Glu Met Asp Glu Asn Leu Glu Gln Val Ser Gly Ile Ile Gly Asn Leu
145 150 155 160
Arg His Met Ala Leu Asp Met Gly Asn Glu Ile Asp Thr Gln Asn Arg
165 170 175
Gln Ile Asp Arg Ile Met Glu Lys Ala Asp Ser Asn Lys Thr Arg Ile
180 185 190
Asp Glu Ala Asn Gln Arg Ala Thr Lys Met Leu Gly Ser Gly
195 200 205

<210> 43

<211> 923
<212> DNA
<213> Homo sapiens

<400> 43
aacacaaccc tcccgagaag cccagggtcca gagccaaacc cgtcactgac cccccagccc 60
aggcgcccag ccactcccca ccgctaccat ggccgaagac gcagacatgc gcaatgagct 120
ggaggagatg cagcgaaggg ctgaccagtt ggctgatgag tcgctggaaa gcacccgtcg 180
tatgctgcaa ctggttgaag agagtaaaga tgctggtatc aggactttgg ttatgttggg 240
tgaacaagga gaacaactgg aacgcattga ggaagggatg gaccaaataca ataaggacat 300
gaaagaagca gaaaagaatt tgacggacct aggaaaattc tgcgggcttt gtgtgtgtcc 360
ctgtaacaag cttaaataca gtgatgctta caaaaaagcc tggggcaata atcaggacgg 420
agtgggtggc agccagcctg ctgctgtagt ggacgaacgg gagcagatgg ccatcagtgg 480
cggcttcac cgcagggtaa caaatgatgc ccgagaaaat gaaatggatg aaaacctaga 540
gcaggtgagc ggcacatcgc ggaacctccg tcacatggcc ctggatatgg gcaatgagat 600
cgatacacag aatcgccaga tcgacaggat catggagaag gctgattcca aaaaaaccag 660
aattgatgag gccaaccaac gtgcaacaaa gatgctggga agtggttaag tgtgcccacc 720
cgtgttctcc tccaaatgct gtcgggcaag atagctcctt catgcttttc tcatggtatt 780
atctagtagg tctgcacaca taacacacat cagtccaccc ccattgtgaa tgttgtcctg 840
tgtcatctgt cagcttccca acaatacttt gtgtcttttg ttctctcttg gtctctttct 900
ttccaaaggt tgtacatagt ggt 923

<210> 44
<211> 206
<212> PRT
<213> Homo sapiens

<400> 44
Met Ala Glu Asp Ala Asp Met Arg Asn Glu Leu Glu Glu Met Gln Arg
1 5 10 15
Arg Ala Asp Gln Leu Ala Asp Glu Ser Leu Glu Ser Thr Arg Arg Met
20 25 30
Leu Gln Leu Val Glu Glu Ser Lys Asp Ala Gly Ile Arg Thr Leu Val
35 40 45